Effect of bioenzymes on flower quality, yield and vase life of rose \((Rosa indica L.)\) cv. GLADIATOR

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ABSTRACT

An experiment was conducted to study the effect of bioenzymes on flower quality, yield and vase life of rose at Department of Horticulture, Marathwada Agricultural University, Parbhani during the year 2007-08. The treatment \(T_2\) (Synzyme 3 ml/L) produced maximum length of flower bud (6.55 cm), highest diameter of flower bud (4.83 cm), maximum pedicel length (8.84 cm), more number of petals per flower (66.36), highest mean weight of flower (35.50 g), maximum number of flowers per hectare (1.82 lakh) and highest vase life of cut flower (10.90 days) followed by treatment \(T_6\) (Biozyme 3 ml/L), while the lowest performance was observed in treatment \(T_7\) (control).

RESULTS AND DISCUSSION

Analysis of variance was carried out for all characters as indicated in Table 1 revealed significant differences among all the treatments.

Length of flower bud:

The treatment \(T_2\) (Synzyme 3 ml/L) produced maximum increase in length of flower bud. Treatments \(T_6\) (Biozyme 3 ml/L), \(T_4\) (Zymegold 3 ml/L) and \(T_3\) (Zymegold 2 ml/L) were at par with \(T_2\). The treatment \(T_7\) (control) was found with minimum length of flower bud.

Sadanand et al. (2002) recorded maximum length...